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## NEW MEXICO ENVIRONMENT DEPARTMENT

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RYAN FLYNN  
Cabinet Secretary  
BUTCH TONGATE  
Deputy Secretary

### **Certified Mail - Return Receipt Requested**

May 26, 2016

Mr. Rick Tafoya, Village Manager  
Village of Angel Fire  
P.O. Box 610  
Angle Fire, New Mexico 87710

### **Re: Angel Fire Wastewater Treatment Plant; Minor Municipal; Compliance Evaluation Inspection; SIC 4952; NPDES Permit No. NM003050; April 28, 2016**

Dear Mr. Tafoya:

Enclosed please find a copy of the report and check list for the referenced inspection that the New Mexico Environment Department (NMED) conducted at your facility on behalf of the U.S. Environmental Protection Agency (USEPA). This inspection report will be sent to the USEPA in Dallas for their review. These inspections are used by USEPA to determine compliance with the National Pollutant Discharge Elimination System (NPDES) permitting program in accordance with requirements of the federal Clean Water Act.

Introduction, treatment scheme, and problems noted during this inspection are discussed in the "Further Explanations" section of the inspection report.

You are encouraged to review the inspection report, required to correct any problems noted during the inspection, and advised to modify your operational and/or administrative procedures, as appropriate. If you have comments on or concerns with the basis for the findings in the NMED inspection report, please contact us (see the address below) in writing within 30 days from the date of this letter. Further, you are encouraged to notify in writing both the USEPA and NMED regarding modifications and compliance schedules at the addresses below:

Gladys Gooden-Jackson  
US Environmental Protection Agency, Region VI  
Enforcement Branch (6EN-WM)  
1445 Ross Avenue Point  
Dallas, Texas 75202-2733

Bruce Yurdin  
New Mexico Environment Department  
Surface Water Quality Bureau  
Source Regulation Section  
P.O. Box 5469  
Santa Fe, New Mexico 87502

Angel Wastewater Treatment Facility

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If you have any questions about this inspection report, please contact Daniel Valenta at (505) 827-2575 or at [daniel.valenta@state.nm.us](mailto:daniel.valenta@state.nm.us).

Sincerely,

*/s/Sarah Holcomb* for

Bruce J. Yurdin  
Program Manager  
Point Source Regulation Section  
Surface Water Quality Bureau

cc: Carol Peters, USEPA (6EN-WM) by e-mail  
Brent Larsen, USEPA (6WQ) by e-mail  
Racquel Douglas, USEPA (6EN-WM) by e-mail  
Gladys Gooden-Jackson, USEPA (6EN-WC) by e-mail  
NMED District III, Mike Kesler by e-mail  
Robert Houston, USEPA (6EN) by e-mail



Form Approved  
OMB No. 2040-0003  
Approval Expires 7-31-85

### NPDES Compliance Inspection Report

#### Section A: National Data System Coding

Transaction Code			NPDES										yr/mo/day				Inspec. Type		Inspector		Fac Type								
1	N	2	5	3	N	M	0	0	3	0	5	0	3	11	12	1	6	0	4	2	8	17	18	C	19	S	20	2	
Remarks																													
M I N O R M U N I C I P A L W W T P																													
Inspection Work Days						Facility Evaluation Rating						BI		QA		Reserved													
67						70	1					71	N	72	N	73													80

#### Section B: Facility Data

Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number)		Entry Time /Date		Permit Effective Date	
Angel Fire WWTP, Angel Fire, New Mexico – NM HWY 434 to Angel Fire, at milepost 35 turn east on Camino Grande and go 0.5 mile, turn left on service road and go 0.6 miles (past solid waste facility) to WWTP. Colfax County		1050 / 04-28-2016		11-01-2007	
		Exit Time/Date		Permit Expiration Date	
		1426 / 04-28-2016		10-31-2012 Administratively continued.	
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)				Other Facility Data	
Mr. Amos Torres/Public Works Director/575-377-2305/cell 505-603-3706 Mr. Arwin J. Vasquez/Utility Superintendent/575-377-1674/ cell 575-595-5190				Lat N 36 25 11.63 Long W -105 16 44.21	
Name, Address of Responsible Official/Title/Phone and Fax Number				SIC 4952	
Mr. Rick Tafoya/Village Manager/Village of Angel Fire/P.O. Box 610/Angel Fire, NM 87710/575-377-1677/ fax 575-377-8028				Contacted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

#### Section C: Areas Evaluated During Inspection (S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

U	Permit	S	Flow Measurement	S	Operations & Maintenance	N	CSO/SSO
U	Records/Reports	U	Self-Monitoring Program	U	Sludge Handling/Disposal	N	Pollution Prevention
U	Facility Site Review	N	Compliance Schedules	N	Pretreatment	N	Multimedia
S	Effluent/Receiving Waters	U	Laboratory	N	Storm Water	N	Other:

#### Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

SEE ATTACHED CHECKLIST FOR FURTHER EXPLANATIONS.

Name(s) and Signature(s) of Inspector(s)		Agency/Office/Telephone/Fax		Date	
DANIEL VALENTA /s/Daniel Valenta		NMED/SWQB 505-827-2575		5/26/2016	
Signature of Management QA Reviewer		Agency/Office/Telephone/Fax		Date	
SARAH HOLCOMB /s/Sarah Holcomb		NMED/SWQB 505-827-2798		5/26/2016	

## SECTION A - PERMIT VERIFICATION

PERMIT SATISFACTORILY ADDRESSES OBSERVATIONS

 S  M  U  NA (FURTHER EXPLANATION ATTACHED Yes)

DETAILS:

1. CORRECT NAME AND MAILING ADDRESS OF PERMITTEE

 Y  N  NA

2. NOTIFICATION GIVEN TO EPA/STATE OF NEW DIFFERENT OR INCREASED DISCHARGES

 Y  N  NA

3. NUMBER AND LOCATION OF DISCHARGE POINTS AS DESCRIBED IN PERMIT

 Y  N  NA

4. ALL DISCHARGES ARE PERMITTED

 Y  N  NA

## SECTION B - RECORDKEEPING AND REPORTING EVALUATION

RECORDS AND REPORTS MAINTAINED AS REQUIRED BY PERMIT.

 S  M  U  NA (FURTHER EXPLANATION ATTACHED Yes)

DETAILS:

1. ANALYTICAL RESULTS CONSISTENT WITH DATA REPORTED ON DMRs

 Y  N  NA

2. SAMPLING AND ANALYSES DATA ADEQUATE AND INCLUDE.

 S  M  U  NA

a) DATES, TIME(S) AND LOCATION(S) OF SAMPLING

 Y  N  NA

b) NAME OF INDIVIDUAL PERFORMING SAMPLING

 Y  N  NA

c) ANALYTICAL METHODS AND TECHNIQUES.

 Y  N  NA

d) RESULTS OF ANALYSES AND CALIBRATIONS.

 Y  N  NA

e) DATES AND TIMES OF ANALYSES.

 Y  N  NA

f) NAME OF PERSON(S) PERFORMING ANALYSES.

 Y  N  NA

3. LABORATORY EQUIPMENT CALIBRATION AND MAINTENANCE RECORDS ADEQUATE.

 S  M  U  NA

4. PLANT RECORDS INCLUDE SCHEDULES, DATES OF EQUIPMENT MAINTENANCE AND REPAIR.

 S  M  U  NA

5. EFFLUENT LOADINGS CALCULATED USING DAILY EFFLUENT FLOW AND DAILY ANALYTICAL DATA.

 Y  N  NA

## SECTION C - OPERATIONS AND MAINTENANCE

TREATMENT FACILITY PROPERLY OPERATED AND MAINTAINED.

 S  M  U  NA (FURTHER EXPLANATION ATTACHED Yes)

DETAILS:

1. TREATMENT UNITS PROPERLY OPERATED.

 S  M  U  NA

2. TREATMENT UNITS PROPERLY MAINTAINED.

 S  M  U  NA

3. STANDBY POWER OR OTHER EQUIVALENT PROVIDED .

 S  M  U  NA

4. ADEQUATE ALARM SYSTEM FOR POWER OR EQUIPMENT FAILURES AVAILABLE.

 S  M  U  NA

5. ALL NEEDED TREATMENT UNITS IN SERVICE

 S  M  U  NA

6. ADEQUATE NUMBER OF QUALIFIED OPERATORS PROVIDED.

 S  M  U  NA

7. SPARE PARTS AND SUPPLIES INVENTORY MAINTAINED.

 S  M  U  NA

8. OPERATION AND MAINTENANCE MANUAL AVAILABLE.

 Y  N  NA

STANDARD OPERATING PROCEDURES AND SCHEDULES ESTABLISHED.

 Y  N  NA

PROCEDURES FOR EMERGENCY TREATMENT CONTROL ESTABLISHED.

 Y  N  NA

## SECTION C - OPERATIONS AND MAINTENANCE (CONT'D)

9. HAVE BYPASSES/OVERFLOWS OCCURRED AT THE PLANT OR IN THE COLLECTION SYSTEM IN THE LAST YEAR?  Y  N  NA  
 IF SO, HAS THE REGULATORY AGENCY BEEN NOTIFIED?  Y  N  NA  
 HAS CORRECTIVE ACTION BEEN TAKEN TO PREVENT ADDITIONAL BYPASSES/OVERFLOWS?  Y  N  NA

10. HAVE ANY HYDRAULIC OVERLOADS OCCURRED AT THE TREATMENT PLANT?  Y  N  NA  
 IF SO, DID PERMIT VIOLATIONS OCCUR AS A RESULT?  Y  N  NA

## SECTION D - SELF-MONITORING

PERMITTEE SELF-MONITORING MEETS PERMIT REQUIREMENTS.  S  M  U  NA (FURTHER EXPLANATION ATTACHED Yes).  
 DETAILS:

1. SAMPLES TAKEN AT SITE(S) SPECIFIED IN PERMIT.  Y  N  NA

2. LOCATIONS ADEQUATE FOR REPRESENTATIVE SAMPLES.  Y  N  NA

3. FLOW PROPORTIONED SAMPLES OBTAINED WHEN REQUIRED BY PERMIT.  Y  N  NA

4. SAMPLING AND ANALYSES COMPLETED ON PARAMETERS SPECIFIED IN PERMIT.  Y  N  NA

5. SAMPLING AND ANALYSES PERFORMED AT FREQUENCY SPECIFIED IN PERMIT.  Y  N  NA

6. SAMPLE COLLECTION PROCEDURES ADEQUATE  Y  N  NA

a) SAMPLES REFRIGERATED DURING COMPOSITING.  Y  N  NA

b) PROPER PRESERVATION TECHNIQUES USED.  Y  N  NA

c) CONTAINERS AND SAMPLE HOLDING TIMES CONFORM TO 40 CFR 136.3.  Y  N  NA

7. IF MONITORING AND ANALYSES ARE PERFORMED MORE OFTEN THAN REQUIRED BY PERMIT, ARE THE RESULTS REPORTED IN PERMITTEE'S SELF-MONITORING REPORT?  Y  N  NA

## SECTION E - FLOW MEASUREMENT

PERMITTEE FLOW MEASUREMENT MEETS PERMIT REQUIREMENTS.  S  M  U  NA (FURTHER EXPLANATION ATTACHED no.)  
 DETAILS:

1. PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED.  Y  N  NA  
 TYPE OF DEVICE In line flow meter installed on pipe going to outfall.

2. FLOW MEASURED AT EACH OUTFALL AS REQUIRED.  Y  N  NA

3. SECONDARY INSTRUMENTS (TOTALIZERS, RECORDERS, ETC.) PROPERLY OPERATED AND MAINTAINED.  Y  N  NA

4. CALIBRATION FREQUENCY ADEQUATE.  Y  N  NA  
 RECORDS MAINTAINED OF CALIBRATION PROCEDURES.  Y  N  NA  
 CALIBRATION CHECKS DONE TO ASSURE CONTINUED COMPLIANCE.  Y  N  NA

5. FLOW ENTERING DEVICE WELL DISTRIBUTED ACROSS THE CHANNEL AND FREE OF TURBULENCE.  Y  N  NA

6. HEAD MEASURED AT PROPER LOCATION.  Y  N  NA

7. FLOW MEASUREMENT EQUIPMENT ADEQUATE TO HANDLE EXPECTED RANGE OF FLOW RATES.  Y  N  NA

## SECTION F - LABORATORY

PERMITTEE LABORATORY PROCEDURES MEET PERMIT REQUIREMENTS.  S  M  U  NA (FURTHER EXPLANATION ATTACHED Yes)  
 DETAILS:

1. EPA APPROVED ANALYTICAL PROCEDURES USED (40 CFR 136.3 FOR LIQUIDS, 503.8(b) FOR SLUDGES)  Y  N  NA

## SECTION F - LABORATORY (CONT'D)

2. IF ALTERNATIVE ANALYTICAL PROCEDURES ARE USED, PROPER APPROVAL HAS BEEN OBTAINED	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA
3. SATISFACTORY CALIBRATION AND MAINTENANCE OF INSTRUMENTS AND EQUIPMENT.	<input type="checkbox"/> S <input type="checkbox"/> M <input checked="" type="checkbox"/> U <input type="checkbox"/> NA
4. QUALITY CONTROL PROCEDURES ADEQUATE.	<input type="checkbox"/> S <input type="checkbox"/> M <input checked="" type="checkbox"/> U <input type="checkbox"/> NA
5. DUPLICATE SAMPLES ARE ANALYZED. <u>0</u> % OF THE TIME.	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA
6. SPIKED SAMPLES ARE ANALYZED. <u>   </u> % OF THE TIME.	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA
7. COMMERCIAL LABORATORY USED.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA
LAB NAME <u>Inter Lab</u>	Red River WWTP
LAB ADDRESS <u>P.O.Box 3497/Las Cruces, NM</u>	HWY 38, Mile Marker 10, Red River, NM 87558
PARAMETERS PERFORMED <u>BOD/TKN/NO3/Chloride/Aluminum</u>	E Coli

SECTION G - EFFLUENT/RECEIVING WATERS OBSERVATIONS.  S  M  U  NA (FURTHER EXPLANATION ATTACHED see photo 3).

OUTFALL NO.	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	FLOAT SOL.	COLOR	OTHER
Holding Pond	clear	clear	clear	clear	clear	clear	

RECEIVING WATER OBSERVATIONS: There was no discharge to the river at the time of the inspection so the observations made are for the treated water entering the holding pond.

## SECTION H - SLUDGE DISPOSAL

SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS.	<input type="checkbox"/> S <input type="checkbox"/> M <input checked="" type="checkbox"/> U <input type="checkbox"/> NA (FURTHER EXPLANATION ATTACHED <u>NO</u> ).
DETAILS: <b>Sludge is being stored in the unused aeration unit. The belt press appeared not to be operational; it was also found not operational during the inspection on 06/2012. The basin had 11 ft. of sludge.</b>	
1. SLUDGE MANAGEMENT ADEQUATE TO MAINTAIN EFFLUENT QUALITY.	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA
2. SLUDGE RECORDS MAINTAINED AS REQUIRED BY 40 CFR 503. <b>No records were available for review.</b>	<input type="checkbox"/> S <input type="checkbox"/> M <input checked="" type="checkbox"/> U <input type="checkbox"/> NA
3. FOR LAND APPLIED SLUDGE, TYPE OF LAND APPLIED TO: _____ (e.g., FOREST, AGRICULTURAL, PUBLIC CONTACT SITE)	

SECTION I - SAMPLING INSPECTION PROCEDURES (FURTHER EXPLANATION ATTACHED    ).

1. SAMPLES OBTAINED THIS INSPECTION. <b>No samples obtained during inspection.</b>	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA
2. TYPE OF SAMPLE OBTAINED GRAB _____ COMPOSITE SAMPLE _____ METHOD _____ FREQUENCY _____	
3. SAMPLES PRESERVED.	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA
4. FLOW PROPORTIONED SAMPLES OBTAINED.	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA
5. SAMPLE OBTAINED FROM FACILITY'S SAMPLING DEVICE.	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA
6. SAMPLE REPRESENTATIVE OF VOLUME AND MATURE OF DISCHARGE.	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA
7. SAMPLE SPLIT WITH PERMITTEE.	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA
8. CHAIN-OF-CUSTODY PROCEDURES EMPLOYED.	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA
9. SAMPLES COLLECTED IN ACCORDANCE WITH PERMIT.	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA

**Angel Fire Wastewater Treatment Plant**  
**NPDES Permit NM0030503**  
**Compliance Evaluation Inspection**  
**April 28, 2016**

## **Introduction**

On April 28, 2016, Daniel Valenta, and Sandra Gabaldon, accompanied Kris Barrios of the New Mexico Environment Department (NMED), Surface Water Quality Bureau (SWQB) conducted a Compliance Evaluation Inspection (CEI) at the Angel Fire Wastewater Treatment Plant (WWTP).

The Angel Fire WWTP has a design flow capacity of 1.0 MGD (million gallons per day) however it is permitted for a maximum discharge of 0.5 MGD and is thus classified as a minor municipal discharger under the Federal Clean Water Act, Section 402, of the National Pollutant Discharge Elimination System (NPDES) permit program. It is assigned NPDES permit number NM0030503. This permit regulates the WWTP discharge to Cieneguilla Creek in Segment 20.6.4.309 of the Canadian River Basin according to the *State of New Mexico Standards for Interstate and Intrastate Surface Waters, 20.6.4 NMAC*. This segment includes the designated uses of domestic water supply, irrigation, high quality coldwater aquatic life, livestock watering, wildlife habitat, and primary contact; and public water supply on specific segments.

The NMED performs a certain number of CEIs for the U.S. Environmental Protection Agency (USEPA), Region VI, under the NPDES permit program, in accordance with the Federal Clean Water Act. USEPA uses these inspections to determine compliance with the NPDES permit program. This inspection report is based on information provided by the permittee's representatives, observations made by the NMED inspector, and records and reports kept by the permittee and/or NMED.

Upon arrival at the WWTP at 1050 hours April 28, 2016, the inspectors met Mr. Arwin Vasquez, Utility Superintendent, showed credentials, and explained the purpose of the inspection. Mr. Amos Torres, Public Works Director, arrived shortly afterwards and accompanied the inspectors on a tour of the facility. A review of records and the laboratory commenced thereafter. An exit interview was conducted with Mr. Vasquez and Mr. Torres at the WWTP following the inspection. The inspectors left the facility at 1426 hours

## **Treatment Scheme**

The Angel Fire WWTP is a Sequential Batch Reactor (SBR) system with ultra-violet (UV) disinfection that began operating in November 1999. The plant design capacity is 1.0 MGD and the average influent rate is currently approximately 0.1 MGD (the max rate in the winter/busy season is about 0.3 MGD). In addition to the SBR system, this facility also has one synthetically lined lagoon that stores wastewater prior to discharge to either the receiving stream or to a land application area. The NMED Ground Water Quality Bureau regulates the discharges to the land application area under Discharge Permit #156. The facility began discharging from NPDES outfall 001 for the first time on May 16, 2005.

Wastewater is pumped by three lift stations in town to a large lift station south of the SBR plant. A septage dump station with bar screen is also available for use at the large lift station by septic haulers.

The lift station pumps the influent up to the facility where it can be diverted to either of the two reactor basins, each equipped with a decant arm. Currently only one basin is used at a time for treatment while the other basin is used to handle and store waste sludge generated from the treatment basin. The SBR unit operates on a 4-hour cycle of aeration, settling and decanting controlled by a computerized control system (Cutler-Hammond Panel Mate). After final treatment in the SBR basin, wastewater enters the UV system for disinfection. The UV system (Aqua Ray 40) consists of five banks of lights situated over a concrete channel. Wastewater leaves the UV channel, and either enters the WWTP lagoon or flows through a pipeline to the effluent pump house located near the outfall. The pump house and outfall pipe are located off Flamingo Road south of the SBR plant.

The pump house contains both an in-line flow meter to measure effluent and a sampling port to collect effluent samples directly from the pipeline. The effluent pipeline leaves the pump house and discharges to outfall 001 a short distance away. The pipe comes directly out of the stream bank under a culvert and discharges into Cieneguilla Creek

Waste sludge from the SBR basin is first stored in the unused reactor basin before it goes into the aerobic digester. At the present time there are 11 ft. of solids in the storage basin. The digester is situated on the south side of the reactor basins. Sludge from the digester is sent to the sludge belt press, which is located in a building next to the SBR plant. Sludge from the press is placed into a roll off container and delivered to the Waste Management Sanitary Landfill in Rio Rancho, NM for final disposal.

## **Further Explanations**

### **Section A – Permit Verification (Unsatisfactory)**

The permit requires: Per Part I. A.1:

See Attachment 1.

#### **Finding:**

1. E-coli limits were exceeded March and February 2015 see attachment 2.
2. A pipe discharges from the headworks to Cieneguilla creek, (see photos 5 & 6)

### **Section B – Recordkeeping and Reporting Evaluation (Unsatisfactory)**

The permit requires: Per Part III. C.4:

*Records of monitoring information shall include:*

- a. The date, exact place, and time of sampling or measurements;*
- b. The individual(s) who performed the sampling or measurements;*
- c. The date(s) and time(s) analyses were performed;*
- d. The individual(s) who performed the analyses;*
- e. The analytical techniques or methods used; and*
- f. The results of such analyses.*

The permit requires: Per Part II.D: Pollution Prevention Requirements

*The permittee shall continue a program directed towards optimizing the efficiency and extending the useful life of the facility. The permittee shall consider the following items in the program:*

- a. *The influent loadings, flow and design capacity;*
- b. *The effluent quality and plant performance;*
- c. *The age and expected life of the wastewater treatment facility=s equipment;*
- d. *Bypasses and overflows of the tributary sewerage system and treatment works;*
- e. *New developments at the facility;*
- f. *Operator certification and training plans and status;*
- g. *The financial status of the facility;*
- h. *Preventative maintenance programs and equipment conditions and;*
- i. *An overall evaluation of conditions at the facility.*

**Finding:**

1. The inspector reviewed the facility's procedures for pH, as the only test that is conducted for permit compliance on-site. All other tests are sent out to contract laboratories. In review of the pH bench sheet, it was noted that when calibration are conducted, the value recorded is more than the recommended tenth of a pH standard unit from the buffer value (e.g., calibration value for a measurement on 3/25/2016 was 4.25 for a 4.0 buffer). It is unknown why the initially value is being recorded and not the final calibrated value. There is no reason to record the initial value during calibration of an instrument and it is recommended that this practice be discontinued. **This is a repeat finding of the 2012 inspection.**
2. The analytical techniques or method used is required per above on the pH bench sheet.
3. No Pollution Prevention Program had been prepared and available for review.

**Section C – Operations and Maintenance (Unsatisfactory)**

The permit requires: Per Part 1. Section C. 5: Overflow Reporting

*The permittee shall report all overflows with the Discharge Monitoring Report submittal. These reports shall be summarized and reported in a tabular format. The summaries shall include: the date, time, duration, location, estimated volume, and cause of the overflow; observed environmental impacts from the overflow; action taken to address the overflow; and ultimate discharge location if not contained (e.g., storm sewer system, ditch, tributary). Overflows which endanger health or the environment shall be orally reported to EPA at (214) 665-6595, and to the NMED Surface Water Quality Bureau at (505) 827-0187 within 24 hours from the time the permittee becomes aware of the circumstance. A written report of overflows which endanger health or the environment shall be provided within five (5) days of the time the permittee becomes aware of the circumstance. The written reports shall be sent to both EPA, and the NMED Surface Water Quality Bureau.*

**Finding:**

While at the headwords it appeared an overflow had occurred due to material left on the sides and on the equipment in the lift station, (sees Photo 3). The Inspector asked Mr. Torres about the overflow, when it occurred, and if it was reported? He acknowledged an overflow had occurred and it had been reported as required by above.

A further record review of files at SWQB found no documents of a written report or of an oral report within 24 hours. No documents could be found at the WWTP facility to verify a report had been filed. The Inspector requested a copy of the report be submitted to NMED if located.

#### **Section D – Self-Monitoring (Unsatisfactory)**

The permit requires: Per Part III.C.2: Sampling:

*Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.*

The permit requires: Per Part III.D.5: Additional Monitoring by the Permittee

*If the permittee monitors any pollutant more frequently than required by this permit, using test procedures approved under 40 CFR Part 136 or as specified in this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the Discharge Monitoring Report (DMR). Such increased monitoring frequency shall also be indicated on the DMR.*

The permit requires: Part III. C. 5: Monitoring Procedures

*a. Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit or approved by the Regional Administrator.*

#### **Finding:**

1. The facility can discharge to a large retention pond or to outfall 001, (see pics). Bench sheets for pH were reviewed from June 2015 to March 2016. Utility Supervisor Mr. Vasquez was questioned about when samples are taken and what routine is used. Mr. Vasquez explained that when a pH sample is taken and the reading is too high it is routine to shut off the water flow and return on another day to sample again. This routine of only reporting samples that fall within the permit perimeters may not meet the above requirements, see attachment 3.
2. The Permittee did more pH testing than the required 2/month. When the additional testing measured pH reading above the permit limits these measurements were not reported as exceedences, see attachment 4, pH bench sheets, June 2015 to March 2016.
3. There are no methods of preservation for pH samples, therefore, all pH samples are grab samples and must be analyzed within 15 minutes of sample collection. Holding times were reviewed from June 2015 to March 2016. During this time frame 50 samples were collected, only 17 of those samples met the 15 minute time requirement; see attachment 3.

#### **Section F – Laboratory (Unsatisfactory)**

The permit requires: Per Part III.C.5.b:

*b. The permittee shall calibrate and perform maintenance procedures on all monitoring and analytical instruments at intervals frequent enough to insure accuracy of measurements and shall maintain appropriate records of such activities.*

The Permit requires: Per Part III, Section C.5.c, MONITORING PROCEDURES:

*“An adequate analytical quality control program, including the analyses of sufficient standards, spikes, and duplicate samples to insure the accuracy of all required analytical results shall be maintained by the permittee or designated commercial laboratory”.*

**Finding:**

1. The facility was using two types of pH meters, the pHTEST30 from Oakton Instruments and a HI 98127 from Hanna Instruments. The Oakton pH meter is not equipped with a temperature-compensation adjustment, thus the adjustment would have to be calculated manually. This would have to be done to comply with Standard Methods 4500-H+B. The pH meter from Hanna Instruments which has temperature-compensation was not operational.
2. Duplicate samples have not been collected. An adequate quality assurance-quality control (QA/QC) program should include a minimum of 10% duplicate sample analyses frequency for all parameters.

**Section I – Sludge Disposal (Unsatisfactory)**

The permit requires: Per Part IV. Section I. 6: Requirements Applying to all Sewage Sludge Disposed in a Municipal Solid Waste Landfill

*Recordkeeping requirements - The permittee shall develop the following information and shall retain the information for five years. The sludge documents will be retained on site at the same location as other NPDES records.*

*a. The description and results of the tests performed, required by the owner/operator of the MSWLF to demonstrate compliance with the 40 CFR 258 regulations.*

*b. A certification that sewage sludge meets the requirements in 40 CFR 258 concerning the quality of the sludge disposed in a municipal solid waste landfill unit.*

**Finding:**

Records were requested for their sludge disposals. The facility representatives were unable to produce records of the results of tests performed to comply with 40 CRF258 regulations. No records were available concerning the quality of the sludge shipped to a landfill per required above.

**NMED/SWQB  
Official Photograph Log**

Photo # 1

Photographer: Daniel Valenta	Date: 4/28/2016	Time: 1118 hours
City/County: Angel Fire/Colfax County		
Location: Angel Fire Wastewater Treatment Facility		
Subject: Headworks for the Angel Fire WWTP. Septic haulers use the green hose to discharge into the bar screen.		



**NMED/SWQB  
Official Photograph Log**

Photo # 2

Photographer: Daniel Valenta	Date: 4/28/2016	Time: 1119 hours
City/County: Angel Fire/Colfax County		
Location: Angel Fire Wastewater Treatment Facility		
Subject: Headworks for the Angel Fire WWTP. The enclosed headworks area has standing water at one end, the source of the water is unknown.		



**NMED/SWQB  
Official Photograph Log**

Photo # 3

Photographer: Daniel Valenta	Date: 4/28/2016	Time: 1125 hours
City/County: Angel Fire/Colfax County		
Location: Angel Fire Wastewater Treatment Facility		
Subject: Headworks for the Angel Fire WWTP. A lift station collects the influent and pumps it up to the treatment plant. The lift station appeared to have overflowed at one time due to the staining and debris.		



**NMED/SWQB  
Official Photograph Log**

Photo # 4

Photographer: Daniel Valenta	Date: 4/28/2016	Time: 1127 hours
City/County: Angel Fire/Colfax County		
Location: Angel Fire Wastewater Treatment Facility		
Subject: Headworks for the Angel Fire WWTP. Septic hauler spills waste at headworks entrance. The truck should have backed up further onto the cement pad.		



**NMED/SWQB  
Official Photograph Log**

Photo # 5

Photographer: Daniel Valenta	Date: 4/28/2016	Time: 1130 hours
City/County: Angel Fire/Colfax County		
Location: Angel Fire Wastewater Treatment Facility		
Subject: Headworks for the Angel Fire WWTP. A pipe discharges from the headworks to Cieneguilla creek.		



**NMED/SWQB  
Official Photograph Log**

Photo # 6

Photographer: Daniel Valenta	Date: 4/28/2016	Time: 1128 hours
City/County: Angel Fire/Colfax County		
Location: Angel Fire Wastewater Treatment Facility		
Subject: Headworks for the Angel Fire WWTP. A pipe discharges from the headworks to Cieneguilla creek.		



**NMED/SWQB  
Official Photograph Log**

Photo # 7

Photographer: Daniel Valenta	Date: 4/28/2016	Time: 1153 hours
City/County: Angel Fire/Colfax County		
Location: Angel Fire Wastewater Treatment Facility		
Subject: Aeration basin being used for storage. Eleven feet of solids was measured at this time.		



**NMED/SWQB  
Official Photograph Log**

Photo # 7

Photographer: Daniel Valenta	Date: 4/28/2016	Time: 1153 hours
City/County: Angel Fire/Colfax County		
Location: Angel Fire Wastewater Treatment Facility		
Subject: Effluent storage pond.		



**NMED/SWQB  
Official Photograph Log**

Photo # 8

Photographer: Daniel Valenta	Date: 4/28/2016	Time: 1153 hours
City/County: Angel Fire/Colfax County		
Location: Angel Fire Wastewater Treatment Facility		
Subject: The discharge pipe cannot be seen, it's under the road going into the creek.		



# Attachment 1

Angel Fire WWTP Inspection  
April 28, 2016

## PART I

### SECTION A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS.

#### 1. Final Effluent limits – 0.50 MGD design flow

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the permittee is authorized to discharge from outfall serial number 001. Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristics</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>	
	Mass (lbs/day, unless otherwise specified)		Concentration (mg/l, unless otherwise specified)		Frequency	Sample Type
	30-Day Avg.	7-Day Avg.	30-Day Avg.	7-Day Avg.		
Flow <sup>(1)</sup> STORET: 50050	N/A	N/A	N/A	N/A	Daily	Instantaneous
Aluminum, dissolved STPRET: 01106	Report	3.1	Report	Report	1/Quarter	Grab
Biochemical Oxygen Demand (BOD <sub>5</sub> ) STORET:00310	125	188	30	45	2/Month	Grab
Total Suspended Solids (TSS) STORET: 00530	125	129	30	45	2/Month	Grab
Total Residual Chlorine <sup>(2)</sup> (TRC) STORET: 50060	N/A	N/A	11 ug/l <sup>(2)</sup>		1/Day	Grab
E. coli <sup>(3)</sup> STORET: 51040	N/A	N/A	126 <sup>(3)</sup>	235 <sup>(3)</sup> (Daily Max)	2/Month	Grab
pH <sup>(4)</sup> STORET: 00400	N/A	N/A	6.6 s.u. Minimum	8.8 s.u. Maximum	2/Month	Grab

EFFLUENT CHARACTERISTICS	DISCHARGE MONITORING		MONITORING REQUIREMENTS	
WHOLE EFFLUENT TOXICITY TESTING (7-Days. Static Renewal) <sup>(5)</sup>	30-DAY AVGMINIMUM	7-DAY MINIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
Ceriodaphnia dubia	Report	Report	1/Year <sup>(6)</sup>	24-Hr. Composite
Pimephales promelas	Report	Report	1/Year <sup>(6)</sup>	24-Hr. Composite

FOOTNOTES:

- 1 Report monthly average and daily maximum as million gallons per day (MGD) by instantaneous measurement.
- 2 The effluent limitation for TRC is the instantaneous maximum and can not be averaged for reporting purposes. Test is required only when chlorine-contained chemical is used. May report "zero" if chlorine-contained chemical is not used.

# Attachment 2

Angel Fire WWTP Inspection  
April 28, 2016

**DMR Copy of Record**

<b>Permit</b>			
Permit #:	NM0030503	Permittee:	ANGEL FIRE WWTP, VILLAGE OF
Major:	No	Permittee Address:	#67 SERVICE ROAD ANGEL FIRE, NM 87710
Permitted Feature:	001 External Outfall	Discharge:	001-A TOTAL FACILITY DISCHARGE
Facility:	THE VILLAGE OF ANGELFIRE, WWTP		
Facility Location:	#67 SERVICE ROAD ANGEL FIRE, NM 87710		

<b>Report Dates &amp; Status</b>			
Monitoring Period:	From 03/01/16 to 03/31/16	DMR Due Date:	04/28/16
Status:	NetDMR Validated		

**Considerations for Form Completion**  
 TOTAL RESIDUAL CHLORINE TEST IS REQUIRED ONLY WHEN CHLORINE CONTAINED CHEMICAL IS USED. MAY REPORT "ZERO" IF CHLORINE CONTAINED CHEMICAL IS NOT USED.

<b>Principal Executive Officer</b>			
First Name:	Arwin	Title:	Public Utility Superintendent
Last Name:	Vasquez	Telephone:	575-377-1694

**No Data Indicator (NODI)**  
 Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type	
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3				Units
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample	=	6.43	=	6.45	26 - lb/d			=	6.25	=	8	19 - mg/L	02/30 - Twice Per Month	GR - GRAB
					Permit Req.	<=	125 30DA AVG	<=	188 7 DA AVG	26 - lb/d			<=	30 30DA AVG	<=	45 7 DA AVG	19 - mg/L		
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample	=		=				=	8.8	=	8.8	12 - SU	02/30 - Twice Per Month	GR - GRAB	
					Permit Req.	>=		>=	6.6 MINIMUM			<=		<=	8.8 MAXIMUM	12 - SU			
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	1.32	=	1.43	26 - lb/d			=	1.25	=	1.5	19 - mg/L	02/30 - Twice Per Month	GR - GRAB
					Permit Req.	<=	125 30DA AVG	<=	129 7 DA AVG	26 - lb/d			<=	30 30DA AVG	<=	45 7 DA AVG	19 - mg/L		
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	1.29	=	0.416	03 - MGD							01/01 - Daily	IN - INSTAN	
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD									
					Value NODI														
50060	Chlorine, total residual	A - Disinfection, Process Complete	0	--	Sample							=	0		28 - ug/L	01/01 - Daily	GR - GRAB		
					Permit Req.							<=	11 INST MAX		28 - ug/L				
					Value NODI														
51040	E. coli	1 - Effluent Gross	0	--	Sample							=	1	=	1	3Z - CFU/100mL	02/30 - Twice Per Month	GR - GRAB	
					Permit Req.							<=	126 30DAVGEO	<=	235 DAILY MX	3Z - CFU/100mL			
					Value NODI														

**Submission Note**  
 If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

**Edit Check Errors**  
 No errors.

**Comments**

**Attachments**  
 No attachments.

**Report Last Saved By**  
 ANGEL FIRE WWTP, VILLAGE OF

User:	atorres@angelfiren.gov	Date/Time:	2016-04-22 15:34 (Time Zone: -05:00)
Name:	Amos Torres		
E-Mail:	atorres@angelfiren.gov		

**DMR Copy of Record**

<b>Permit</b>			
Permit #:	NM0030503	Permittee:	ANGEL FIRE WWTP, VILLAGE OF
Major:	No	Permittee Address:	#67 SERVICE ROAD ANGEL FIRE, NM 87710
Permitted Feature:	001 External Outfall	Discharge:	001-A TOTAL FACILITY DISCHARGE
Facility:	THE VILLAGE OF ANGELFIRE, WWTP		
Facility Location:	#67 SERVICE ROAD ANGEL FIRE, NM 87710		

<b>Report Dates &amp; Status</b>			
Monitoring Period:	From 12/01/15 to 12/31/15	DMR Due Date:	01/28/16
Status:	NetDMR Validated		

**Considerations for Form Completion**  
 TOTAL RESIDUAL CHLORINE TEST IS REQUIRED ONLY WHEN CHLORINE CONTAINED CHEMICAL IS USED. MAY REPORT "ZERO" IF CHLORINE CONTAINED CHEMICAL IS NOT USED.

<b>Principal Executive Officer</b>			
First Name:	Arwin	Title:	Utility Superintendent
Last Name:	Vasquez	Telephone:	575-377-1674

**No Data Indicator (NODI)**  
 Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type	
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3				Units
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample	=	4.27	=	7.24	26 - lb/d			=	4.67	=	6	19 - mg/L	02/30 - Twice Per Month	GR - GRAB
					Permit Req.	<=	125 30DA AVG	<=	188 7 DA AVG	26 - lb/d			<=	30 30DA AVG	<=	45 7 DA AVG	19 - mg/L		
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample	=		=				=	8.4	=	8.8	12 - SU	02/30 - Twice Per Month	GR - GRAB	
					Permit Req.	>=		>=	6.6 MINIMUM			<=	8.8 MAXIMUM	12 - SU					
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	0.99	=	1.8	26 - lb/d			=	1	=	1	19 - mg/L	02/30 - Twice Per Month	GR - GRAB
					Permit Req.	<=	125 30DA AVG	<=	129 7 DA AVG	26 - lb/d			<=	30 30DA AVG	<=	45 7 DA AVG	19 - mg/L		
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	1.29	=	0.416	03 - MGD							01/01 - Daily	IN - INSTAN	
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD							01/01 - Daily	IN - INSTAN	
					Value NODI														
50060	Chlorine, total residual	A - Disinfection, Process Complete	0	--	Sample								=	0		28 - ug/L	01/01 - Daily	GR - GRAB	
					Permit Req.								<=	11 INST MAX		28 - ug/L			
					Value NODI														
51040	E. coli	1 - Effluent Gross	0	--	Sample							=	1	=	1	3Z - CFU/100mL	02/30 - Twice Per Month	GR - GRAB	
					Permit Req.							<=	126 30DAVGEO	<=	235 DAILY MX	3Z - CFU/100mL			
					Value NODI														

**Submission Note**  
 If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

**Edit Check Errors**  
 No errors.

**Comments**

**Attachments**  
 No attachments.

**Report Last Saved By**  
 ANGEL FIRE WWTP, VILLAGE OF

User:	atorres@angelfiren.gov	Date/Time:	2016-01-29 11:42 (Time Zone: -06:00)
Name:	Amos Torres		
E-Mail:	atorres@angelfiren.gov		

**DMR Copy of Record**

<b>Permit</b>			
Permit #:	NM0030503	Permittee:	ANGEL FIRE WWTP, VILLAGE OF
Major:	No	Permittee Address:	#67 SERVICE ROAD ANGEL FIRE, NM 87710
Permitted Feature:	001 External Outfall	Discharge:	001-A TOTAL FACILITY DISCHARGE
Facility:	THE VILLAGE OF ANGELFIRE, WWTP		
Facility Location:	#67 SERVICE ROAD ANGEL FIRE, NM 87710		

<b>Report Dates &amp; Status</b>			
Monitoring Period:	From 11/01/15 to 11/30/15	DMR Due Date:	01/28/16
Status:	NetDMR Validated		

**Considerations for Form Completion**  
 TOTAL RESIDUAL CHLORINE TEST IS REQUIRED ONLY WHEN CHLORINE CONTAINED CHEMICAL IS USED. MAY REPORT "ZERO" IF CHLORINE CONTAINED CHEMICAL IS NOT USED.

<b>Principal Executive Officer</b>			
First Name:	Arwin	Title:	Utility Superintendent
Last Name:	Vasquez	Telephone:	575-377-1674

**No Data Indicator (NODI)**  
 Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type		
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3				Units	
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample	=	4.47	=	2.3	26 - lb/d			=	4	=	4	19 - mg/L		02/30 - Twice Per Month	GR - GRAB
					Permit Req.	<=	125 30DA AVG	<=	188 7 DA AVG	26 - lb/d			<=	30 30DA AVG	<=	45 7 DA AVG	19 - mg/L			
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample	=	8.3					=	8.8			12 - SU		02/30 - Twice Per Month	GR - GRAB	
					Permit Req.	>=	6.6 MINIMUM				<=	8.8 MAXIMUM	12 - SU							
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	2.74	=	0.58	26 - lb/d			=	2.5	=	4.065	19 - mg/L		02/30 - Twice Per Month	GR - GRAB
					Permit Req.	<=	125 30DA AVG	<=	129 7 DA AVG	26 - lb/d			<=	30 30DA AVG	<=	45 7 DA AVG	19 - mg/L			
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.065	=	0.082	03 - MGD								01/01 - Daily	IN - INSTAN	
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD										
					Value NODI															
50060	Chlorine, total residual	A - Disinfection, Process Complete	0	--	Sample							=	0			28 - ug/L		01/01 - Daily	GR - GRAB	
					Permit Req.							<=	11 INST MAX	28 - ug/L						
					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample							=	1	=	1	3Z - CFU/100mL		02/30 - Twice Per Month	GR - GRAB	
					Permit Req.							<=	126 30DAVGEO	<=	235 DAILY MX	3Z - CFU/100mL				
					Value NODI															

**Submission Note**  
 If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

**Edit Check Errors**  
 No errors.

**Comments**

**Attachments**  
 No attachments.

**Report Last Saved By**  
 ANGEL FIRE WWTP, VILLAGE OF

User:	atorres@angelfiren.gov	Date/Time:	2016-01-29 11:30 (Time Zone: -06:00)
Name:	Amos Torres		
E-Mail:	atorres@angelfiren.gov		

**DMR Copy of Record**

<b>Permit</b>			
Permit #:	NM0030503	Permittee:	ANGEL FIRE WWTP, VILLAGE OF
Major:	No	Permittee Address:	#67 SERVICE ROAD ANGEL FIRE, NM 87710
Permitted Feature:	001 External Outfall	Discharge:	001-A TOTAL FACILITY DISCHARGE
Facility:	THE VILLAGE OF ANGELFIRE, WWTP		
Facility Location:	#67 SERVICE ROAD ANGEL FIRE, NM 87710		

<b>Report Dates &amp; Status</b>			
Monitoring Period:	From 09/01/15 to 09/30/15	DMR Due Date:	10/28/15
Status:	NetDMR Validated		

**Considerations for Form Completion**  
 TOTAL RESIDUAL CHLORINE TEST IS REQUIRED ONLY WHEN CHLORINE CONTAINED CHEMICAL IS USED. MAY REPORT "ZERO" IF CHLORINE CONTAINED CHEMICAL IS NOT USED.

<b>Principal Executive Officer</b>			
First Name:	Eric	Title:	Utility Foreman
Last Name:	Fresquez	Telephone:	575-377-2305

**No Data Indicator (NODI)**  
 Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type	
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3				Units
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample													02/30 - Twice Per Month	GR - GRAB
					Permit Req.	<=	125 30DA AVG	<=	188 7 DA AVG	26 - lb/d			<=	30 30DA AVG	<=	45 7 DA AVG	19 - mg/L		
					Value NODI		C - No Discharge		C - No Discharge										
00400	pH	1 - Effluent Gross	0	--	Sample													02/30 - Twice Per Month	GR - GRAB
					Permit Req.						>=	6.6 MINIMUM			<=	8.8 MAXIMUM	12 - SU		
					Value NODI												C - No Discharge		
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample													02/30 - Twice Per Month	GR - GRAB
					Permit Req.	<=	125 30DA AVG	<=	129 7 DA AVG	26 - lb/d			<=	30 30DA AVG	<=	45 7 DA AVG	19 - mg/L		
					Value NODI		C - No Discharge		C - No Discharge										
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample													01/01 - Daily	IN - INSTAN
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD									
					Value NODI		C - No Discharge		C - No Discharge										
50060	Chlorine, total residual	A - Disinfection, Process Complete	0	--	Sample													01/01 - Daily	GR - GRAB
					Permit Req.									<=	11 INST MAX	28 - ug/L			
					Value NODI											C - No Discharge			
51040	E. coli	1 - Effluent Gross	0	--	Sample													02/30 - Twice Per Month	GR - GRAB
					Permit Req.								<=	126 30DAVGEO	<=	235 DAILY MX	3Z - CFU/100mL		
					Value NODI											C - No Discharge			

**Submission Note**  
 If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

**Edit Check Errors**  
 No errors.

**Comments**  
 WWtP flow into a blind holding lagoon

**Attachments**  
 No attachments.

**Report Last Saved By**  
 ANGEL FIRE WWTP, VILLAGE OF

User:	atorres@angelfirenm.gov	Date/Time:	2015-10-22 09:29 (Time Zone: -05:00)
Name:	Amos Torres		
E-Mail:	atorres@angelfirenm.gov		

# Attachment 3

Angel Fire WWTP Inspection  
April 28, 2016







METER NUMBER \_\_\_\_\_

MONTH December 2015

VILLAGE OF ANGEL FIRE – PUBLIC UTILITIES  
PH TESTER

pH Method	Date	Sample Time	OP INI	Calibrate/pH Buffers			Analysis Time	Sample Site	Temp *C	PH Measure	Calibrate Date/Time
				4.00	7.00	10.00					
PHTEST30	12-5-15		JG	4.13	7.13	10.33			18.3°		12-5-15 10:31
PHTEST30	12-5-15	10:14	JG				10:32	OUTFALL	15.5°	9.15	
HANNA	12-5-15		JG	4.3	7.2				15.3°		12-5-15 10:33
HANNA	12-5-15	10:14	JG				10:37	OUTFALL	18.5°	9.0	
PHTEST30	12-12-15		JG	4.04	7.16	10.55			10.01		12-12-15 11:11
HANNA	12-12-15		JG		7.2	10.1			10.03		12-12-15 11:11
PHTEST30	12-12-15	11:40	JG				11:56	OUTFALL 1	12.6°	8.73	
HANNA	12-12-15	11:40	JG				11:59	OUTFALL 1	8.6°	8.7	
PHTEST30	12-19-15		JG	4.41	7.02	10.10					12-19-15 9:10
HANNA	12-19-15		JG		7.4	10.2					12-19-15 9:11
PHTEST30	12-19-15	9:31	JG				9:46	OUTFALL 1	10.4°	8.67	
HANNA	12-19-15	9:31	JG				9:49	OUTFALL 1	12.7°	8.8	
PHTEST30	12-21-15	9:59	JG	4.01	7.10	10.16			13.2		12-21-15 10:10
PHTEST30	12-21-15	10:08	JG				10:16	OUTFALL 1	9.6	8.52	
HANNA	12-21-15	9:48	JG		7.2	10.1			9.9		12-21-15 10:10
HANNA	12-21-15	9:48	JG				10:19	OUTFALL 1	13.6	8.5	
HANNA	12-26-15		JG		7.2	10.2			12.1		12-26-15 9:11
PHTEST30	12-26-15		JG	4.35	7.56	10.4			12.6		12-26-15 9:11
HANNA	12-26-15	9:26	JG				9:46	OUTFALL 1		8.4	
PHTEST30	12-26-15	9:26	JG				9:51	OUTFALL 1		8.74	

METER NUMBER \_\_\_\_\_

MONTH November 2015

VILLAGE OF ANGEL FIRE - PUBLIC UTILITIES  
PH TESTER

pH Method	Date	Sample Time	OP INI	Calibrate/pH Buffers			Analysis Time	Sample Site	Temp *C	PH Measure	Calibrate Date/Time
				4.00	7.00	10.00					
HTEST30	11-8-15		JG	4.38	7.03	10.64			14.7		11-8-15 10:3
HANNA	11-8-15		JG	4.4	7.3				14.6		11-8-15 10:3
HANNA	11-8-15	10:10	JG				10:39	OUTFALL 1	14.9	8.3	
FTEST30	11-8-15	10:16	JG				10:40	OUTFALL 1	14.4	8.36	
HTEST30	11-20-15		JG	4.31	7.00	10.37			17.4		11-20-15 9:1
HANNA	11-20-15		JG	4.3	7.2				17.6		11-20-15 9:2
PHTEST30	11-20-15	9:38	JG				9:47	OUTFALL 1	14.1	9.20	
HANNA	11-20-15	9:38	JG				9:48	OUTFALL 1	14.0	9.1	
PHTEST30	11-28-15		JG	4.43	7.84	10.16			13.4		11-28-15 9:2
HANNA	11-28-15		JG	4.5	7.4				13.7		11-28-15 9:2
PHTEST30	11-28-15	10:01	JG				10:27	OUTFALL 1	10.8	8.6	
HANNA	11-28-15	10:01	JG				10:28	OUTFALL 1	10.5	8.83	

METER NUMBER \_\_\_\_\_

MONTH October 2015

VILLAGE OF ANGEL FIRE – PUBLIC UTILITIES  
PH TESTER

pH Method	Date	Sample Time	OP INI	Calibrate/pH Buffers			Analysis Time	Sample Site	Temp *C	PH Measure	Calibrate Date/Time
				4.00	7.00	10.00					
HANNA	10-13-15		JG	4.3	7.1				20.8		10-13-15 2:06
PHTEST30	10-13-15		JG	4.31	7.20	10.01			20.3		10-13-15 2:15
HANNA	10-13-15	2:23	JG				2:28	OUTFALL 1	15.5	8.61	
PHTEST30	10-13-15	2:23	JG				2:28	OUTFALL 1	20.1	8.7	
HANNA	10-27-15		JG	4.2	7.1				17.3		10-27-15 10:38A
PHTEST30	10-27-15		JG	4.32	7.01	10.01			9.93		10-27-15 10:44AM
HANNA	10-27-15	9:15	JG				10:45	OUTFALL 1	17.0	8.7	
PHTEST30	10-27-15	9:15	JG				10:45	OUTFALL 1	10.6	8.87	
PHTEST30	11-8-15		JG	4.38	7.03	10.66			14.7		11-8-15 10:31
HANNA	11-8-15		JG	4.4	7.3				14.6		11-8-15 10:35
HANNA	11-8-15	10:16	JG				10:39	OUTFALL 1	14.9	8.3	
PHTEST30	11-8-15	10:16	JG				10:40	OUTFALL 1	14.4	8.36	

METER NUMBER \_\_\_\_\_

MONTH September 2015

VILLAGE OF ANGEL FIRE - PUBLIC UTILITIES  
PH TESTER

pH Method	Date	Sample Time	OP INI	Calibrate/pH Buffers			Analysis Time	Sample Site	Temp *C	PH Measure	Calibrate Date/Time
				4.00	7.00	10.00					
HANNA	9-1-15	7:21	JG				7:36	OUTFALL 2	16.7	8.6	-
HANNA	9-15-15		JG	4.1	7.0				18.6		9-15-15 9:13
PHTEST30	9-15-15		JG	4.31	7.94	10.01			18.4		9-15-15 9:15
HANNA	9-15-15	9:10	JG				9:16	OUTFALL 1	17.5	9.3	
PHTEST30	9-15-15	9:10	JG				9:18	OUTFALL 1	17.3	9.39	
HANNA	9-22-15		JG	4.2	7.1				18.0		9-22-15 7:55
PHTEST30	9-22-15		JG	4.02	7.63	10.08			17.6		9-22-15 7:59
HANNA	9-22-15	8:45	JG					OUTFALL 1	16.6	8.9	
PHTEST30	9-22-15	8:45	JG					OUTFALL 1	17.1	9.15	
HANNA	9-29-15		JG	4.2	7.1				17.0		9-29-15 7:31
PHTEST30	9-29-15		JG	4.00	7.62	10.06			16.6		9-29-15 7:46
HANNA	9-29-15	8:31	JG				8:41	OUTFALL 1	13.8	9.0	
PHTEST30	9-29-15	8:32	JG				8:43	OUTFALL 1	14.9	9.34	
HANNA	10-13-15		JG	4.3	7.1				20.8		10-13-15 2:01
PHTEST30	10-13-15		JG	4.31	7.20	10.01			20.3		10-13-15 2:16
HANNA	10-13-15	2:23	JG				2:28	OUTFALL 1	15.5	8.61	
PHTEST30	10-13-15	2:23	JG				2:28	OUTFALL 1	20.1	8.7	







# Attachment 4

Angel Fire WWTP Inspection  
April 28, 2016

**DMR Copy of Record**

<b>Permit</b>			
Permit #:	NM0030503	Permittee:	ANGEL FIRE WWTP, VILLAGE OF
Major:	No	Permittee Address:	#67 SERVICE ROAD ANGEL FIRE, NM 87710
Permitted Feature:	001 External Outfall	Discharge:	001-A TOTAL FACILITY DISCHARGE
Facility:	THE VILLAGE OF ANGELFIRE, WWTP		
Facility Location:	#67 SERVICE ROAD ANGEL FIRE, NM 87710		

<b>Report Dates &amp; Status</b>			
Monitoring Period:	From 03/01/15 to 03/31/15	DMR Due Date:	04/28/15
Status:	NetDMR Validated		

**Considerations for Form Completion**  
 TOTAL RESIDUAL CHLORINE TEST IS REQUIRED ONLY WHEN CHLORINE CONTAINED CHEMICAL IS USED. MAY REPORT "ZERO" IF CHLORINE CONTAINED CHEMICAL IS NOT USED.

<b>Principal Executive Officer</b>			
First Name:	Amos	Title:	Public Works Director
Last Name:	Torres	Telephone:	575-377-1677

**No Data Indicator (NODI)**  
 Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type		
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3				Value 3	Units
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample	=	10.76	=	24.0192	26 - lb/d			=	8.33	=	16	19 - mg/L	02/30 - Twice Per Month	GR - GRAB
					Permit Req.	<=	125 30DA AVG	<=	188 7 DA AVG	26 - lb/d			<=	30 30DA AVG	<=	45 7 DA AVG	19 - mg/L	02/30 - Twice Per Month	GR - GRAB
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample	=		=				=	8.6	=	8.8	12 - SU	02/30 - Twice Per Month	GR - GRAB	
					Permit Req.	>=		>=	6.6 MINIMUM			<=	8.8 MAXIMUM	12 - SU	02/30 - Twice Per Month	GR - GRAB			
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	3.8	=	8.2566	26 - lb/d			=	3	=	5.5	19 - mg/L	02/30 - Twice Per Month	GR - GRAB
					Permit Req.	<=	125 30DA AVG	<=	129 7 DA AVG	26 - lb/d			<=	30 30DA AVG	<=	45 7 DA AVG	19 - mg/L	02/30 - Twice Per Month	GR - GRAB
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.1433	=	0.254	03 - MGD							01/01 - Daily	IN - INSTAN	
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD							01/01 - Daily	IN - INSTAN	
					Value NODI														
50060	Chlorine, total residual	A - Disinfection, Process Complete	0	--	Sample								=	0		28 - ug/L	01/01 - Daily	GR - GRAB	
					Permit Req.								<=	11 INST MAX		28 - ug/L	01/01 - Daily	GR - GRAB	
					Value NODI														
X 51040	E. coli	1 - Effluent Gross	0	--	Sample							=	44.975	=	2419.6	3Z - CFU/100mL	02/30 - Twice Per Month	GR - GRAB	
					Permit Req.							<=	126 30DAVGEO	<=	235 DAILY MX	3Z - CFU/100mL 3	02/30 - Twice Per Month	GR - GRAB	
					Value NODI														

**Submission Note**  
 If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

<b>Edit Check Errors</b>						
Parameter Code	Parameter Name	Monitoring Location	Field	Type	Description	Acknowledge
51040	E. coli	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes

**Comments**

**Attachments**  
 No attachments.

**Report Last Saved By**  
 ANGEL FIRE WWTP, VILLAGE OF

User:	atorres@angelfiren.gov	Date/Time:	2015-04-29 12:38 (Time Zone: -05:00)
Name:	Amos Torres		
E-Mail:	atorres@angelfiren.gov		

**DMR Copy of Record**

<b>Permit</b>			
Permit #:	NM0030503	Permittee:	ANGEL FIRE WWTP, VILLAGE OF
Major:	No	Permittee Address:	#67 SERVICE ROAD ANGEL FIRE, NM 87710
Permitted Feature:	001 External Outfall	Discharge:	001-A TOTAL FACILITY DISCHARGE
Facility:	THE VILLAGE OF ANGELFIRE, WWTP		
Facility Location:	#67 SERVICE ROAD ANGEL FIRE, NM 87710		

<b>Report Dates &amp; Status</b>			
Monitoring Period:	From 02/01/15 to 02/28/15	DMR Due Date:	04/28/15
Status:	NetDMR Validated		

**Considerations for Form Completion**  
 TOTAL RESIDUAL CHLORINE TEST IS REQUIRED ONLY WHEN CHLORINE CONTAINED CHEMICAL IS USED. MAY REPORT "ZERO" IF CHLORINE CONTAINED CHEMICAL IS NOT USED.

<b>Principal Executive Officer</b>			
First Name:	Amos	Title:	Public Works Director
Last Name:	Torres	Telephone:	575-377-1677

**No Data Indicator (NODI)**  
 Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type		
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3				Value 3	Units
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample	=	15.92	=	15.92	26 - lb/d			=	23	=	23	19 - mg/L	02/30 - Twice Per Month	GR - GRAB
					Permit Req.	<=	125 30DA AVG	<=	188 7 DA AVG	26 - lb/d			<=	30 30DA AVG	<=	45 7 DA AVG	19 - mg/L	02/30 - Twice Per Month	GR - GRAB
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample	=	7.9						=	8.6		12 - SU	02/30 - Twice Per Month	GR - GRAB	
					Permit Req.	>=	6.6 MINIMUM						<=	8.8 MAXIMUM		12 - SU	02/30 - Twice Per Month	GR - GRAB	
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	8.99	=	8.99	26 - lb/d			=	13	=	13	19 - mg/L	02/30 - Twice Per Month	GR - GRAB
					Permit Req.	<=	125 30DA AVG	<=	129 7 DA AVG	26 - lb/d			<=	30 30DA AVG	<=	45 7 DA AVG	19 - mg/L	02/30 - Twice Per Month	GR - GRAB
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.0466	=	0.09	03 - MGD							01/01 - Daily	IN - INSTAN	
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD							01/01 - Daily	IN - INSTAN	
					Value NODI														
50060	Chlorine, total residual	A - Disinfection, Process Complete	0	--	Sample								=	0		28 - ug/L	01/01 - Daily	GR - GRAB	
					Permit Req.										<=	11 INST MAX	28 - ug/L	01/01 - Daily	GR - GRAB
					Value NODI														
X 51040	E. coli	1 - Effluent Gross	0	--	Sample							=	7.014	=	2419.6	3Z - CFU/100mL	02/30 - Twice Per Month	GR - GRAB	
					Permit Req.								<=	126 30DAVGEO	<=	235 DAILY MX	3Z - CFU/100mL 1	02/30 - Twice Per Month	GR - GRAB
					Value NODI														

**Submission Note**  
 If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

<b>Edit Check Errors</b>						
Parameter Code	Parameter Name	Monitoring Location	Field	Type	Description	Acknowledge
51040	E. coli	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes

**Comments**

**Attachments**  
 No attachments.

**Report Last Saved By**  
 ANGEL FIRE WWTP, VILLAGE OF

User:	atorres@angelfiren.gov	Date/Time:	2015-04-29 12:44 (Time Zone: -05:00)
Name:	Amos Torres		
E-Mail:	atorres@angelfiren.gov		